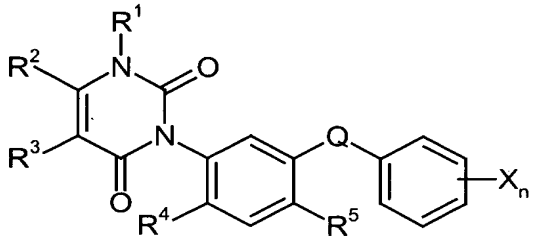
REMARKS

Applicants' invention relates to substituted phenyluracils of the formula (I)



(I)

in which n, Q, R^1, R^2, R^3, R^4, R^5, and X have the meanings given in Claim 1 and to their use as herbicides.

Rejection under 35 U.S.C. 112

Claims 1-10, 15, 18, and 19 stand rejected under 35 U.S.C. 112, second paragraph, as being indefinite with respect to several terms used in the claims. Applicants respectfully traverse.

The Office Action at page 2 questions the use in Claim 1 of the phrase "X in the individual compounds which are possible can also have different meanings-from those indicated" when n is greater than 1. Applicants' intent was to indicate that each such group X can also have different meanings selected from those indicated when n is greater than 1, meaning the each such group X can represent different members selected from the specified groups. Applicants have therefore appropriately amended Claim 1.

With respect to the use of plurals in the first line of Claim 1 (and its dependent claims), Applicants have replaced the plural term "substituted phenyluracils" with the singular form "substituted phenyluracil" as kindly suggested by the Examiner and have deleted the word "general." The term "substituted" clearly refers to a phenyluracil having the substituents depicted in formula (I) and has been retained.

With respect to the word "represents," Applicants respectfully submit that this word is entirely appropriate. Formula (I) is a representation of the compounds that are claimed and each of the defined terms represents a substituent that is present in the molecules depicted by the formula. Applicants' claims in this respect thus "set out and circumscribe a particular area with a reasonable degree of precision and particularity" and would be readily understood by those of ordinary skill in the art in view of the teachings of the prior art and the supporting disclosure. *In re Moore and*

Janoski, 439 F.2d 1232, 1235, 169 U.S.P.Q. 236, 238 (C.C.P.A. 1971) (emphasis added). Therefore, Applicants submit that their use of the word "represents" fully satisfies the requirements of 35 U.S.C. 112.

The Office Action also objects to the repeated use of the word "optionally substituted" throughout Claim 1. The Office Action also objects to the term "alkyl" as being too open ended. Applicants have amended Claim 1 to specify more particularly the nature of the alkyl, alkoxy, and alkoxycarbonyl groups and suitable substituents. Support for the more specific terms (such as "C_1-C_4-alkyl") and for the specified substituents appear in the preferred embodiments described in the specification at pages 3-4. Applicants submit that this rejection has been traversed.

The Office Action also states that the phrase "characterized in that" used in Claims 2-10 is too general. Applicants have amended these claims to use the word "wherein" instead and submit that this rejection has been traversed.

Claims 18 and 19 stand rejected as being dependent on rejected Claim 1. In view of the amendments discussed above, Applicants respectfully submit that this rejection has been traversed.

Priority Documents

Applicants enclose certified English translations of the German priority documents as requested in the Office Action.

In view of the preceding amendments and remarks, allowance of the claims is respectfully requested.

Respectfully submitted,

By _____
Richard E. L. Henderson
Attorney for Applicants
Reg. No. 31,619

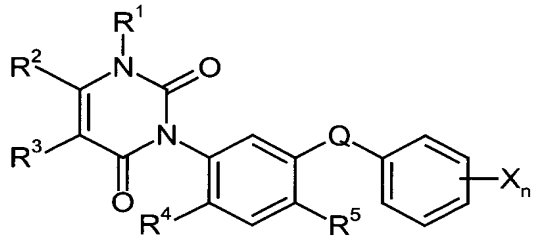
Bayer CropScience LP
100 Bayer Road
Pittsburgh, Pennsylvania 15205-9741
PHONE: (412) 777-8341
FACSIMILE PHONE NUMBER:
412-777-8363
s/rmc/relh/0210

ANNOTATED VERSION OF AMENDMENTS

IN THE CLAIMS:

Claims 1, 2-10, and 15 have been amended as follows:

1. (amended) [~~Substituted phenyluracils~~] A substituted phenyluracil of the [~~general~~] formula (I)



(I)

in which

n represents the numbers 0, 1, 2, 3, 4 or 5,

Q represents O [~~(oxygen)~~], S [~~(sulphur)~~], SO, SO_2, NH or [~~N(alkyl)~~] N(C_1-C_4-alkyl),

R^1 represents hydrogen, amino or [~~optionally substituted alkyl~~] C_1-C_4-alkyl which is optionally substituted by cyano, carboxyl, fluorine, chlorine, C_1-C_4-alkoxy or C_1-C_4-alkoxy-carbonyl,

R^2 represents carboxyl, cyano, carbamoyl, or thiocarbamoyl or [~~in each case optionally substituted alkyl or alkoxycarbonyl~~] represents C_1-C_4-alkyl or C_1-C_4-alkoxy-carbonyl, each of which is optionally substituted by cyano, fluorine, chlorine or C_1-C_4-alkoxy,

R^3 represents hydrogen, halogen or [~~optionally substituted alkyl~~] C_1-C_4-alkyl which is optionally substituted by cyano, carboxyl, fluorine, chlorine, C_1-C_4-alkoxy or C_1-C_4-alkoxy-carbonyl,

R^4 represents hydrogen, cyano, carbamoyl, thiocarbamoyl or halogen,

R^5 represents cyano, carbamoyl, thiocarbamoyl, or halogen or [~~in each case optionally substituted alkyl or alkoxy~~] represents C_1-C_4-alkyl or C_1-C_4-alkoxy, each of which is optionally substituted by fluorine and/or chlorine,

X represents hydroxyl, mercapto, amino, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, halogen, or represents [~~in each case optionally substituted~~]

alkyl, alkoxy, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylamino, dialkylamino, alkylcarbonyl, alkoxycarbonyl, alkylaminocarbonyl, dialkylaminocarbonyl, alkylcarbonyloxy, alkoxycarbonyloxy, alkylaminocarbonyloxy, or dialkyl-aminocarbonyloxy, each of which has 1 to 6 carbon atoms in each alkyl moiety and is optionally substituted in the alkyl moiety by hydroxyl, cyano, carboxyl, carbamoyl, fluorine, chlorine, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_1-C_4-alkylsulphinyl, C_1-C_4-alkylsulphonyl, C_1-C_4-alkyl-carbonyl, C_1-C_4-alkoxy-carbonyl, C_2-C_4-alkenyloxycarbonyl, C_2-C_4-alkinyl-oxycarbonyl, C_1-C_4-alkylaminocarbonyl, di-(C_1-C_4-alkyl)aminocarbonyl, phenoxycarbonyl, benzyl-oxycarbonyl, or phenylaminocarbonyl, or represents phenylcarbonyloxy, or represents alkylcarbonylamino, alkoxycarbonylamino, or alkylsulphonylamino, each of which has 1 to 6 carbon atoms in the alkyl moiety and is optionally substituted in the alkyl moiety by fluorine, chlorine or bromine, or represents alkenyl, alkenyloxy, alkenyloxycarbonyl, alkinyl, alkinyloxy or alkinyloxy-carbonyl, each of which has up to 6 carbon atoms and is optionally substituted by cyano, carboxyl, fluorine, chlorine, bromine or C_1-C_4-alkoxy-carbonyl, where, in the event that n is greater than 1, each X in the individual compounds [~~which are possible~~] can independently also have different meanings selected from those indicated.

2. (amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 1 [~~, characterized in that~~] wherein

n represents the numbers 0, 1, 2, 3 or 4,

Q represents O [~~(oxygen)~~], S [~~(sulphur)~~], SO, SO_2, NH or N(C_1-C_4-alkyl),

R^1 represents hydrogen, amino, or C_1-C_4-alkyl which is optionally substituted by cyano, carboxyl, fluorine, chlorine, C_1-C_4-alkoxy or C_1-C_4-alkoxy-carbonyl,

R^2 represents carboxyl, cyano, carbamoyl, thiocarbamoyl, or represents C_1-C_4-alkyl or C_1-C_4-alkoxy-carbonyl, each of which is optionally substituted by cyano, fluorine, chlorine or C_1-C_4-alkoxy,

R^3 represents hydrogen, fluorine, chlorine, bromine, or represents C_1-C_4-alkyl which is optionally substituted by fluorine or chlorine,

R^4 represents hydrogen, cyano, carbamoyl, thiocarbamoyl, fluorine, chlorine or bromine,

R^5 represents cyano, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, or represents C_1-C_4-alkyl or C_1-C_4-alkoxy, each of which is optionally substituted by fluorine and/or chlorine, and

X hydroxyl, mercapto, amino, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, iodine, or represents alkyl, alkoxy, alkylthio, alkylsulphinyl, alkylsulphonyl or alkylamino, each of which has 1 to 6 carbon atoms and each of which is optionally substituted by hydroxyl, cyano, carboxyl, carbamoyl, fluorine, chlorine, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_1-C_4-alkylsulphinyl, C_1-C_4-alkylsulphonyl, C_1-C_4-alkyl-carbonyl, C_1-C_4-alkoxycarbonyl, C_2-C_4-alkenyloxycarbonyl, C_2-C_4-alkinyl-oxycarbonyl, C_1-C_4-alkylaminocarbonyl, di-(C_1-C_4-alkyl)aminocarbonyl, phenoxycarbonyl, benzyloxycarbonyl, phenylaminocarbonyl, or represents dialkylamino having 1 to 6 carbon atoms in each of the alkyl groups, or represents alkylcarbonyl, alkoxycarbonyl, alkylaminocarbonyl, alkylcarbonyloxy, alkoxycarbonyloxy or alkylaminocarbonyloxy, each of which has 1 to 6 carbon atoms in the alkyl groups and each of which is optionally substituted by cyano, fluorine, chlorine, bromine or C_1-C_4-alkoxy, or represents dialkylaminocarbonyl or dialkylaminocarbonyloxy, each of which has 1 to 6 carbon atoms in the alkyl groups, or represents phenylcarbonyloxy, or represents alkylcarbonylamino, alkoxycarbonylamino, alkylsulphonylamino, each of which is optionally substituted by fluorine, chlorine or bromine, or represents alkenyl, alkenyloxy, alkenyloxycarbonyl, alkinyl, alkinyloxy or alkinyloxycarbonyl, each of which has up to 6 carbon atoms and each of which is optionally substituted by cyano, carboxyl, fluorine, chlorine, bromine or C_1-C_4-alkoxy-carbonyl.

3. (amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 1 [~~, characterized in that~~] wherein

n represents the numbers 1, 2 or 3,

Q represents O [~~(oxygen)~~], S [~~(sulphur)~~], SO, SO_2, NH or $N(CH_3)$,

R^1 represents hydrogen, amino, or represents methyl, ethyl, n- or i-propyl, each of which is optionally substituted by cyano, fluorine, chlorine, methoxy or ethoxy,

R^2 represents carboxyl, cyano, carbamoyl, thiocarbamoyl, or represents methyl, ethyl, n- or i-propyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, each of which is optionally substituted by cyano, fluorine, chlorine, methoxy or ethoxy,

R^3 represents hydrogen, fluorine, chlorine, bromine, or represents methyl or ethyl, each of which is optionally substituted by fluorine and/or chlorine,

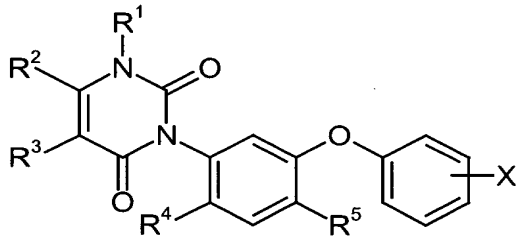
R^4 represents hydrogen, fluorine or chlorine,

R^5 represents cyano, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, methyl or trifluoromethyl, and

X represents hydroxyl, mercapto, amino, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, or represents methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, methylsulphonyl, ethylsulphonyl, methylamino, ethylamino, n- or i-propylamino, n-, i-, s- or t-butylamino, each of which is optionally substituted by cyano, carboxyl, carbamoyl, fluorine, chlorine, methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, methylsulphonyl, ethylsulphonyl, acetyl, propionyl, n- or i-butyroyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, allyloxycarbonyl, 1-buten-3-yl-oxy-carbonyl, 2-buten-4-yl-oxy-carbonyl, propargyloxycarbonyl, 1-butin-3-yl-oxy-carbonyl, 2-butin-4-yl-oxy-carbonyl, methylaminocarbonyl, ethylaminocarbonyl, n- or i-propylaminocarbonyl, dimethylaminocarbonyl, diethylaminocarbonyl, phenoxycarbonyl, benzyloxycarbonyl, phenylaminocarbonyl or benzylaminocarbonyl, or represents dimethylamino or diethylamino, or represents acetyl, propionyl, n- or i-butyroyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methylaminocarbonyl, ethylaminocarbonyl, n- or i-propylaminocarbonyl, acetyloxy, propionyloxy, n- or i-butyroyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, n- or i-propoxycarbonyloxy, methylaminocarbonyloxy, ethylaminocarbonyloxy, n- or

i-propylaminocarbonyloxy, each of which is optionally substituted by cyano, fluorine, chlorine, methoxy, ethoxy, n- or i-propoxy, or represents dimethylaminocarbonyl, diethylaminocarbonyl, dimethylaminocarbonyloxy or diethylaminocarbonyloxy, or represents phenylcarbonyloxy, or represents acetylamino, propionylamino, n- or i-butyroylamino, methoxycarbonylamino, ethoxycarbonylamino, n- or i-propoxycarbonylamino, methylsulphonylamino, ethylsulphonylamino, n- or i-propylsulphonylamino, n-, i-, s- or t-butylsulphonylamino, each of which is optionally substituted by fluorine or chlorine, or represents ethenyl, propenyl, propenyloxy, propenyloxycarbonyl, ethinyl, propinyl, propinyloxy or propinyloxycarbonyl, each of which is optionally substituted by cyano, carboxyl, fluorine, chlorine, methoxycarbonyl or ethoxycarbonyl.

4. (amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 1 [~~, characterized by~~] having the [~~general~~] formula (IA)



(1A)

in which

R^1 represents hydrogen, amino or methyl,

R^2 represents trifluoromethyl, chlorodifluoromethyl, difluoromethyl or pentafluoroethyl,

R^3 represents hydrogen, chlorine or methyl,

R^4 represents hydrogen, fluorine or chlorine,

R^5 represents cyano or thiocarbamoyl, and

X represents hydroxyl, mercapto, amino, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, or represents methyl, ethyl, methoxy, ethoxy, methylthio, ethylthio, methoxycarbonyl or ethoxycarbonyl, each of which is optionally substituted by cyano, carboxyl, carbamoyl, fluorine, chlorine, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxycarbonyl,

n- or i-propoxycarbonyl, allyloxycarbonyl, propargyloxycarbonyl, 1-buten-3-yl-oxycarbonyl, 2-buten-4-yl-oxycarbonyl, propargyloxycarbonyl, 1-butin-3-yl-oxycarbonyl, 2-butin-4-yl-oxycarbonyl, methylaminocarbonyl, ethylamino-carbonyl, n- or i-propylaminocarbonyl, dimethylaminocarbonyl, diethylamino-carbonyl, phenoxycarbonyl, benzyloxycarbonyl, phenylaminocarbonyl or benzylaminocarbonyl, or represents ethenyl which is substituted by methoxy-carbonyl or ethoxycarbonyl.

5. (amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 4 [~~, characterized in that~~] wherein

R^1 represents methyl,

R^2 represents trifluoromethyl, chlorodifluoromethyl, difluoromethyl or pentafluoroethyl,

R^3 represents hydrogen, chlorine or methyl,

R^4 represents hydrogen, fluorine or chlorine,

R^5 represents fluorine, chlorine, bromine or trifluoromethyl, and

X represents hydroxyl, mercapto, amino, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, or represents methyl, ethyl, methoxy, ethoxy, methylthio, ethylthio, methoxycarbonyl or ethoxycarbonyl, each of which is optionally substituted by cyano, carboxyl, carbamoyl, fluorine, chlorine, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, allyloxycarbonyl, propargyloxycarbonyl, 1-buten-3-yl-oxycarbonyl, 2-buten-4-yl-oxycarbonyl, propargyloxycarbonyl, 1-butin-3-yl-oxycarbonyl, 2-butin-4-yl-oxycarbonyl, methylaminocarbonyl, ethylamino-carbonyl, n- or i-propylaminocarbonyl, dimethylaminocarbonyl, diethylamino-carbonyl, phenoxycarbonyl, benzyloxycarbonyl, phenylaminocarbonyl or benzylaminocarbonyl, or represents ethenyl which is substituted by methoxy-carbonyl or ethoxycarbonyl.

6. (amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 4 [~~, characterized in that~~] wherein

R^1 represents hydrogen, amino or methyl,

R^2 represents carboxyl, cyano, carbamoyl, thiocarbamoyl, methoxycarbonyl or ethoxycarbonyl,

R^3 represents hydrogen, chlorine or methyl,

R^4 represents hydrogen, fluorine or chlorine,

R^5 represents cyano, thiocarbamoyl, fluorine, chlorine, bromine or trifluoromethyl, and

X represents hydroxyl, mercapto, amino, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, or represents methyl, ethyl, methoxy, ethoxy, methylthio, ethylthio, methoxycarbonyl or ethoxycarbonyl, each of which is optionally substituted by cyano, carboxyl, carbamoyl, fluorine, chlorine, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, allyloxycarbonyl, propargyloxycarbonyl, 1-buten-3-yl-oxycarbonyl, 2-buten-4-yl-oxycarbonyl, propargyloxycarbonyl, 1-butin-3-yl-oxycarbonyl, 2-butin-4-yl-oxycarbonyl, methylaminocarbonyl, ethylamino-carbonyl, n- or i-propylaminocarbonyl, dimethylaminocarbonyl, diethylamino-carbonyl, phenoxycarbonyl, benzyloxycarbonyl, phenylaminocarbonyl or benzylaminocarbonyl, or represents ethenyl which is substituted by methoxycarbonyl or ethoxycarbonyl.

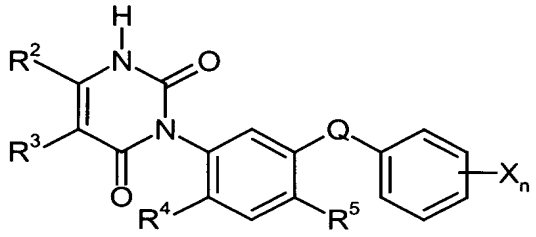
7. (twice amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 1 [~~, characterized in that~~] wherein n represents 1.

8. (twice amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 1 [~~, characterized in that~~] wherein R^2 represents trifluoromethyl.

9. (twice amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 1 [~~, characterized in that~~] wherein R^4 represents fluorine.

10. (twice amended) [~~Substituted phenyluracils~~] A substituted phenyluracil according to Claim 1 [~~, characterized in that~~] wherein R^5 represents cyano or thiocarbamoyl.

15. (twice amended) [~~Substituted phenyluracils~~] A substituted phenyluracil of the [~~general~~] formula (Ia)



(Ia)

in which [

] n, Q, R^2, R^3, R^4, R^5 and X have the meaning given in Claim 1.